

FIG. 1

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Glycosylation of Dkk1

Western Assay of Dkk1 versus His Ab (R&D)

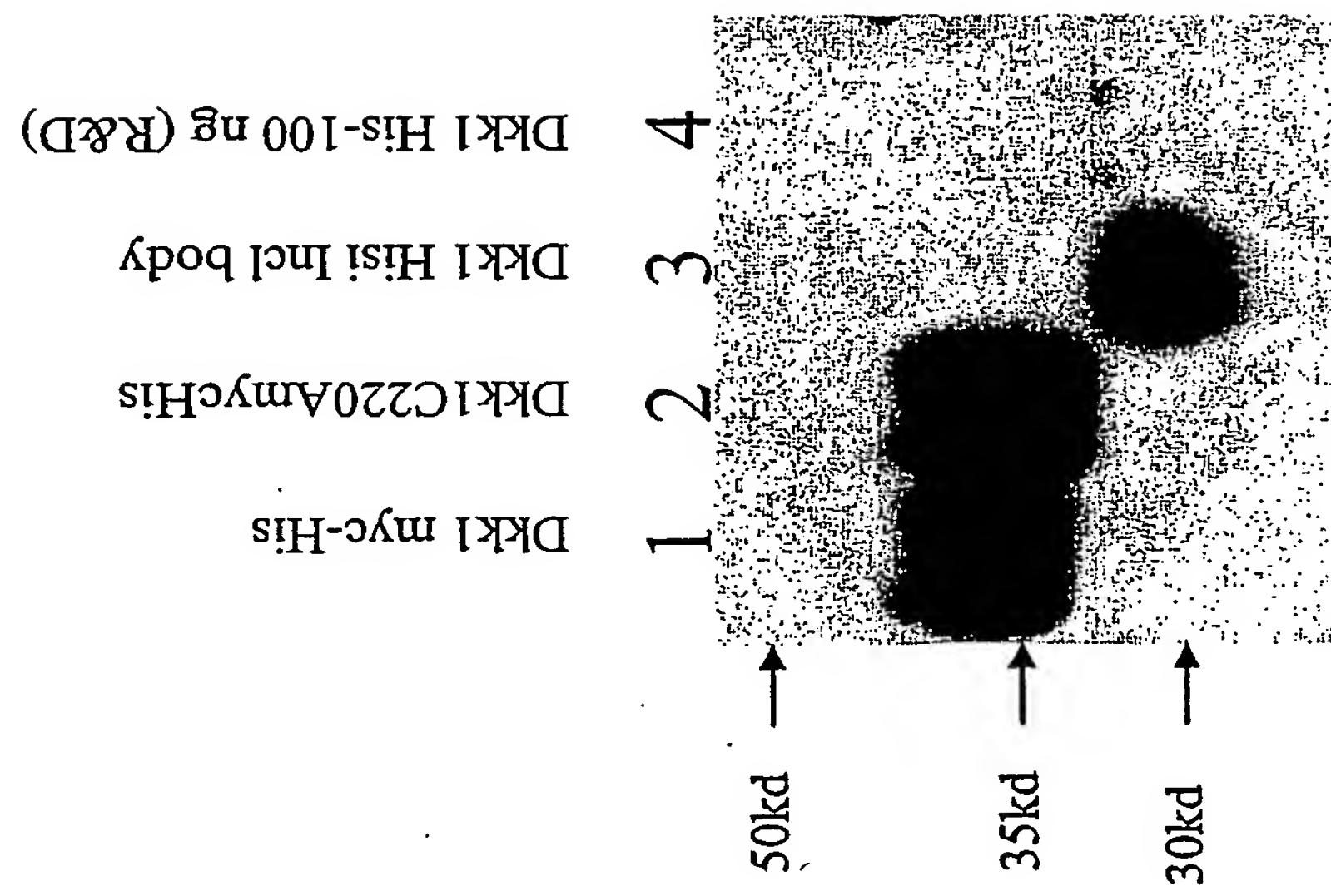


FIG. 2

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Inhibition of Wnt3A Activity by Dkk1

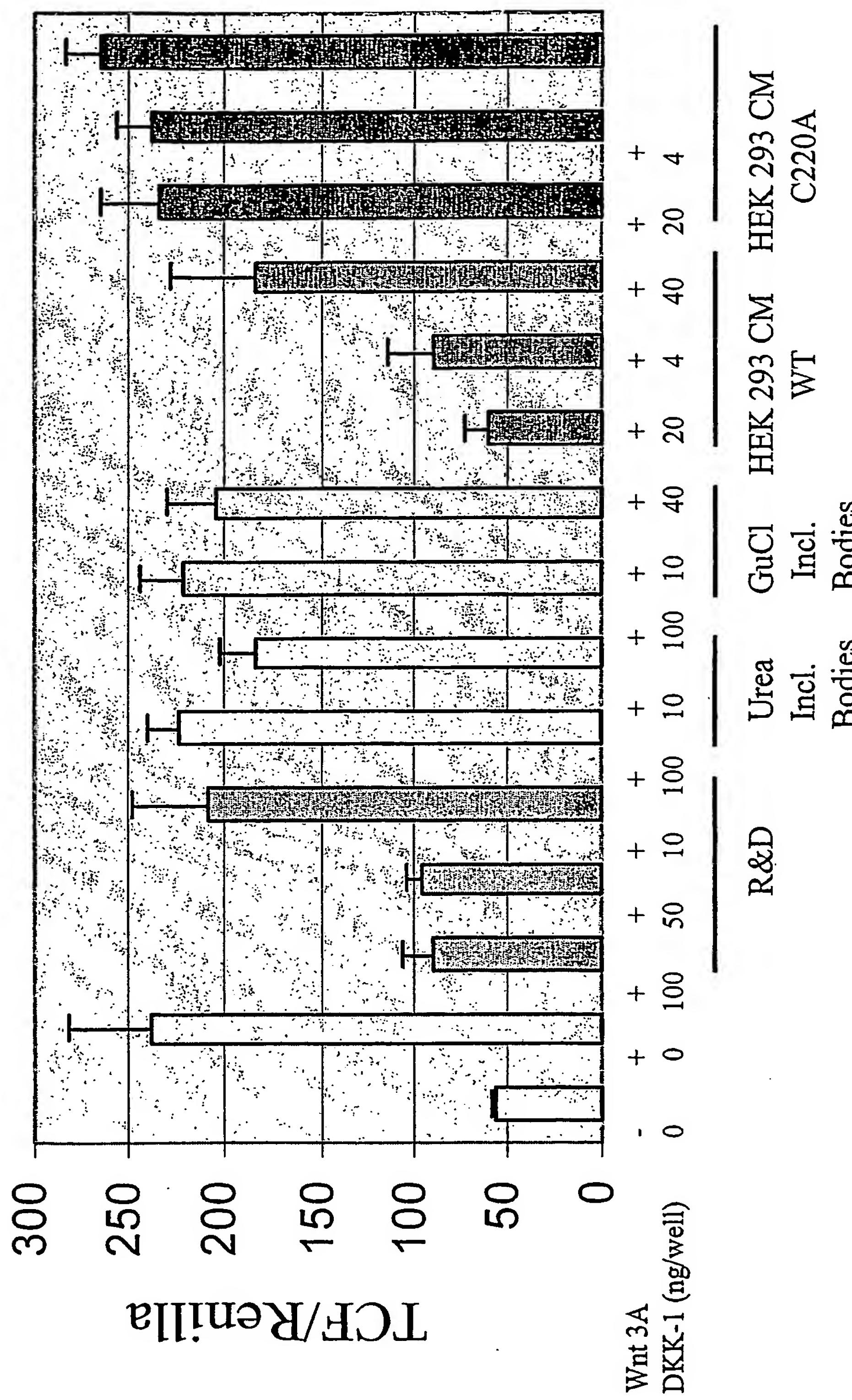


FIG. 3

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Activity of Purified DKK1 in TCF Assay

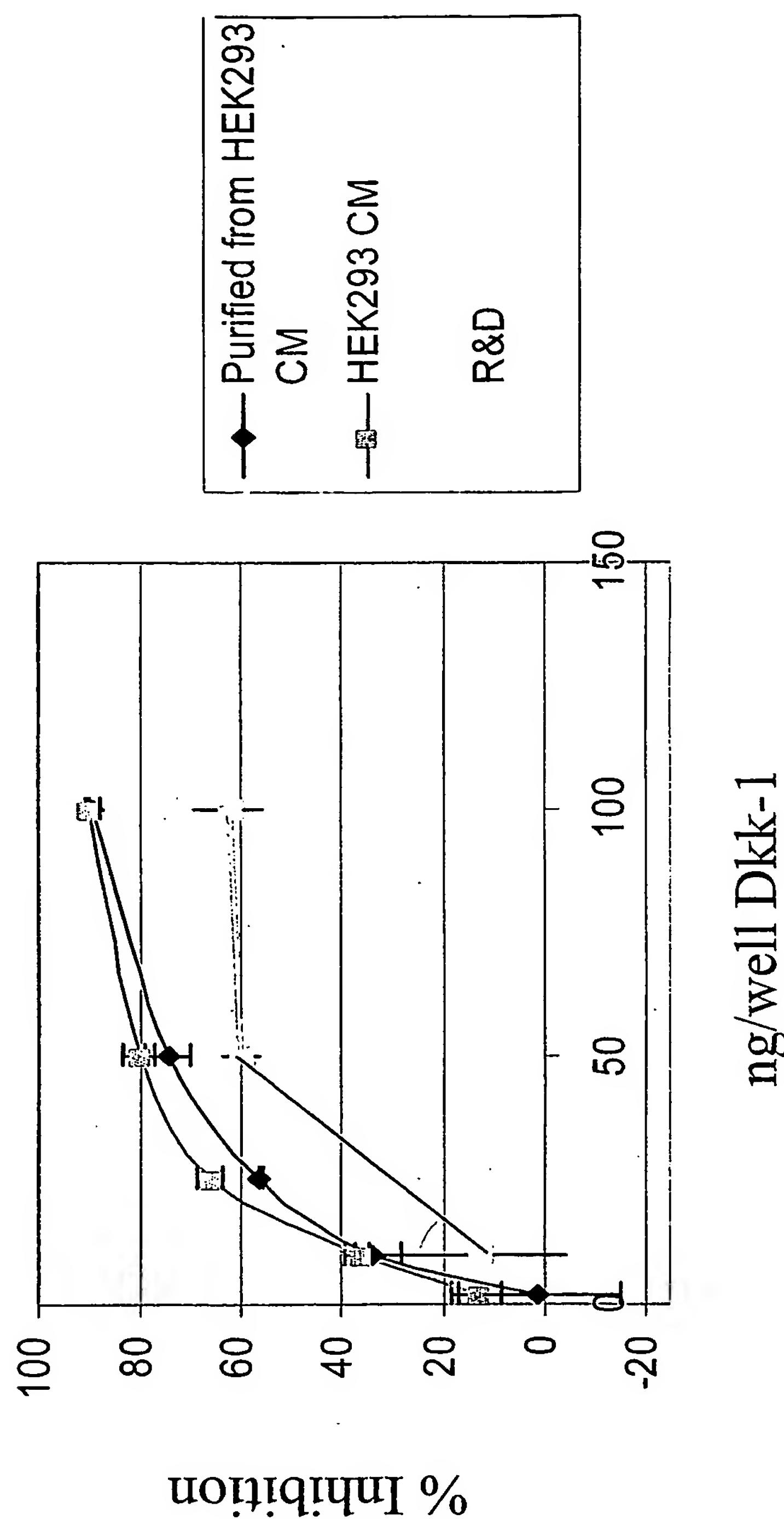
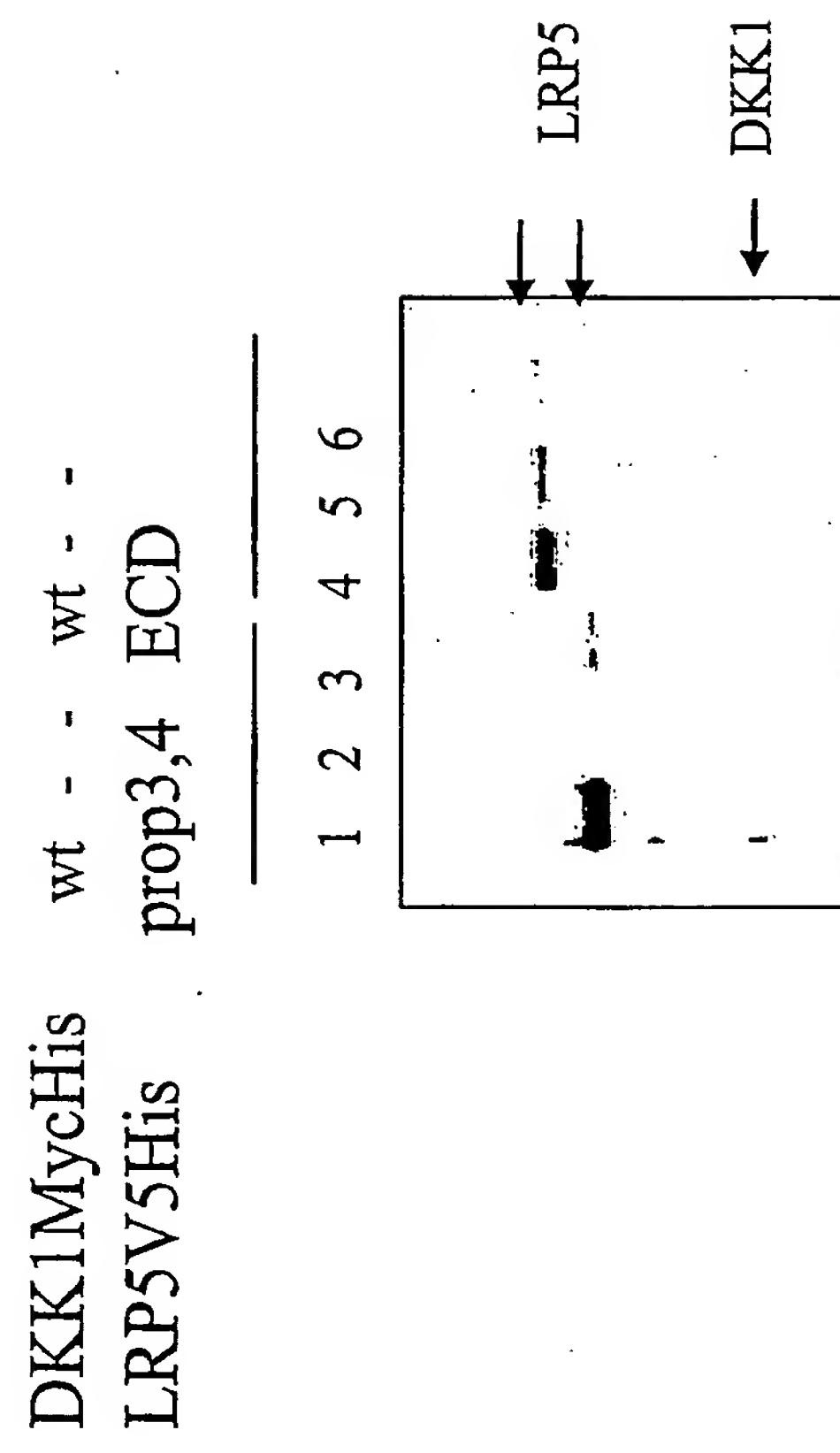


FIG. 4

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Co-Immunoprecipitation of LRP5 with Purified DKK1Mychis



Using purified protein Dkk-1Mychis Co-IPs LRP5
prop3,4 Or ECD

FIG. 5

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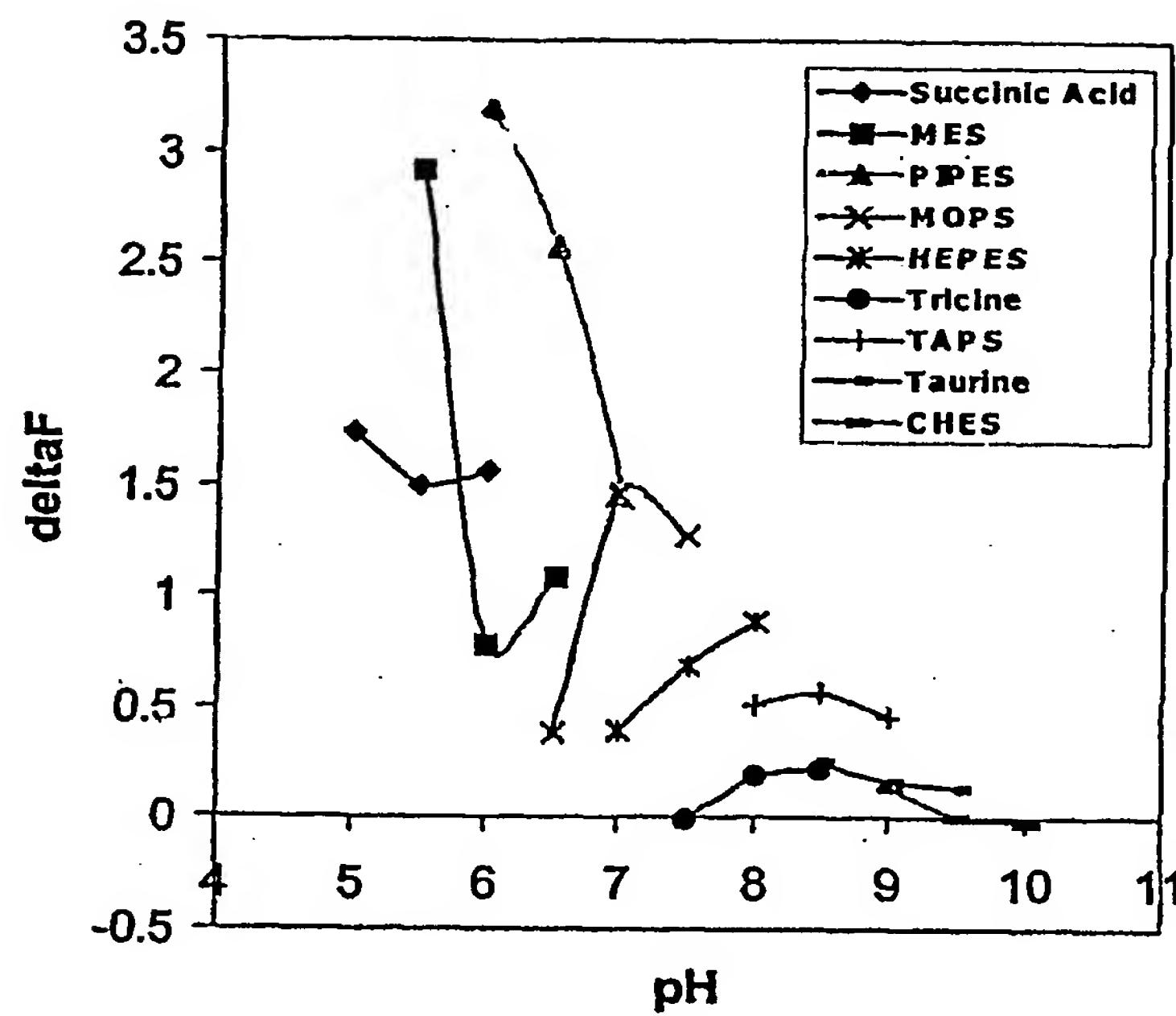


FIG. 6

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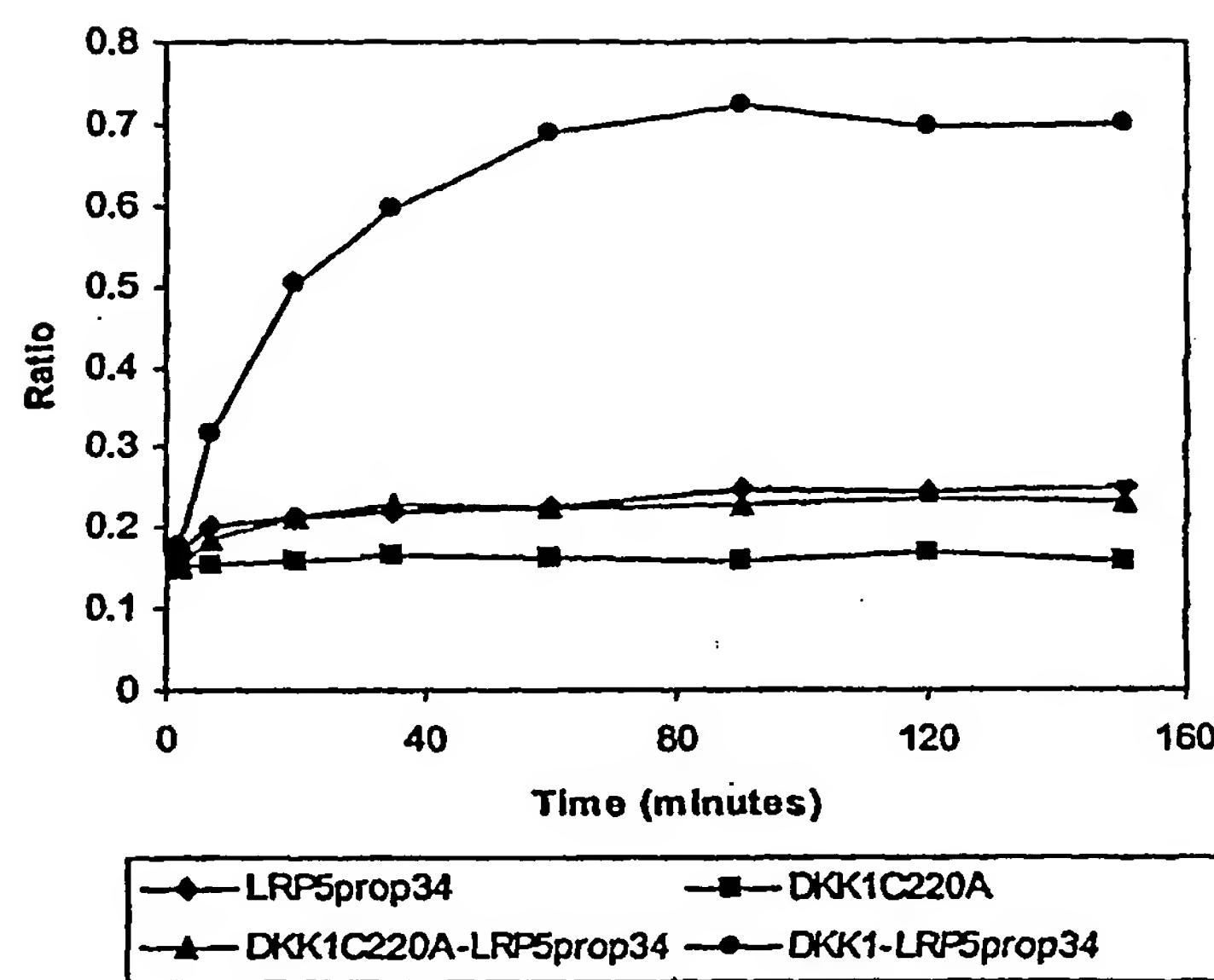


FIG. 7

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Co-IP of LRP5 with DKK1

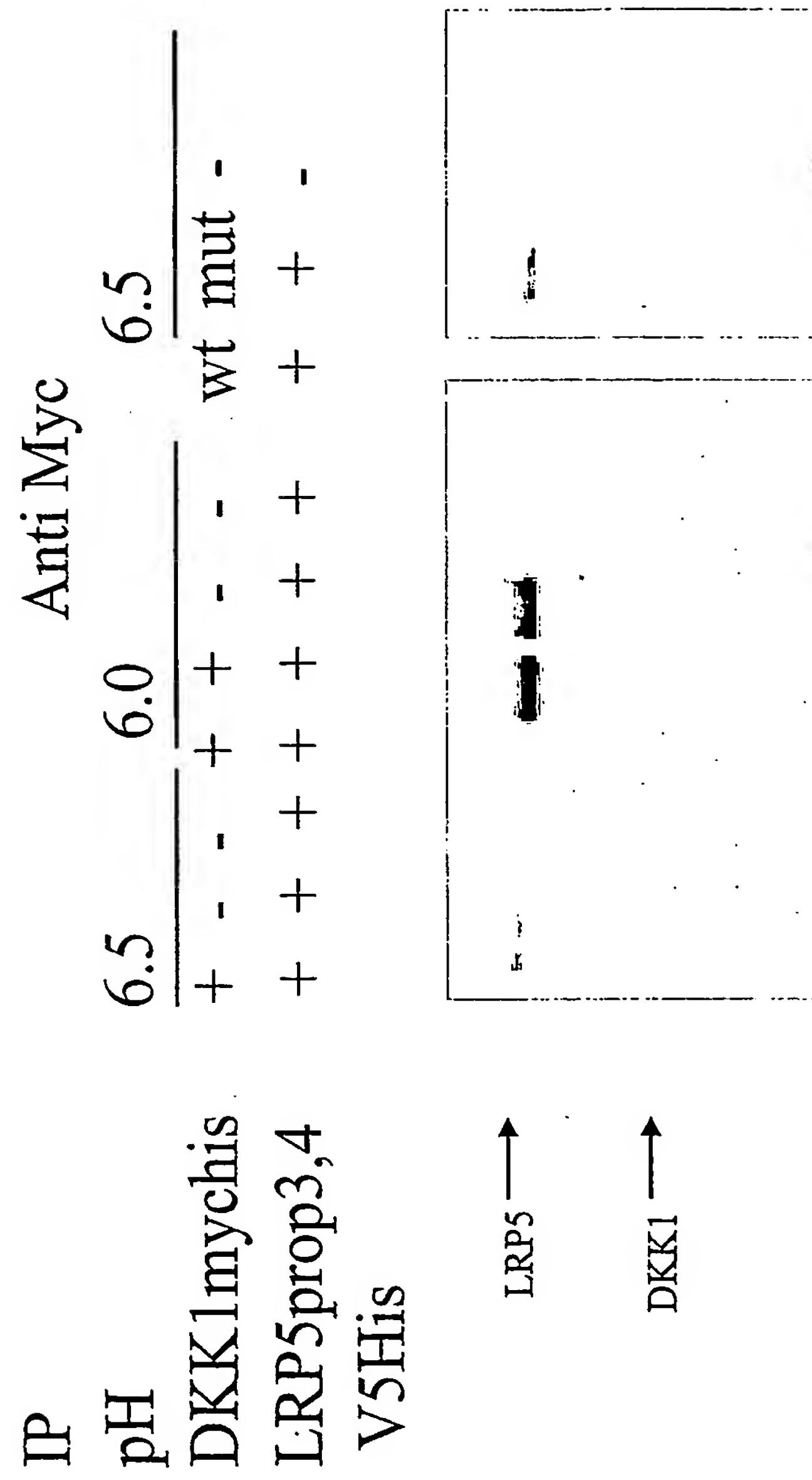


FIG. 8

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Competitive Assay with Untagged Dkk-1 from R&D Systems

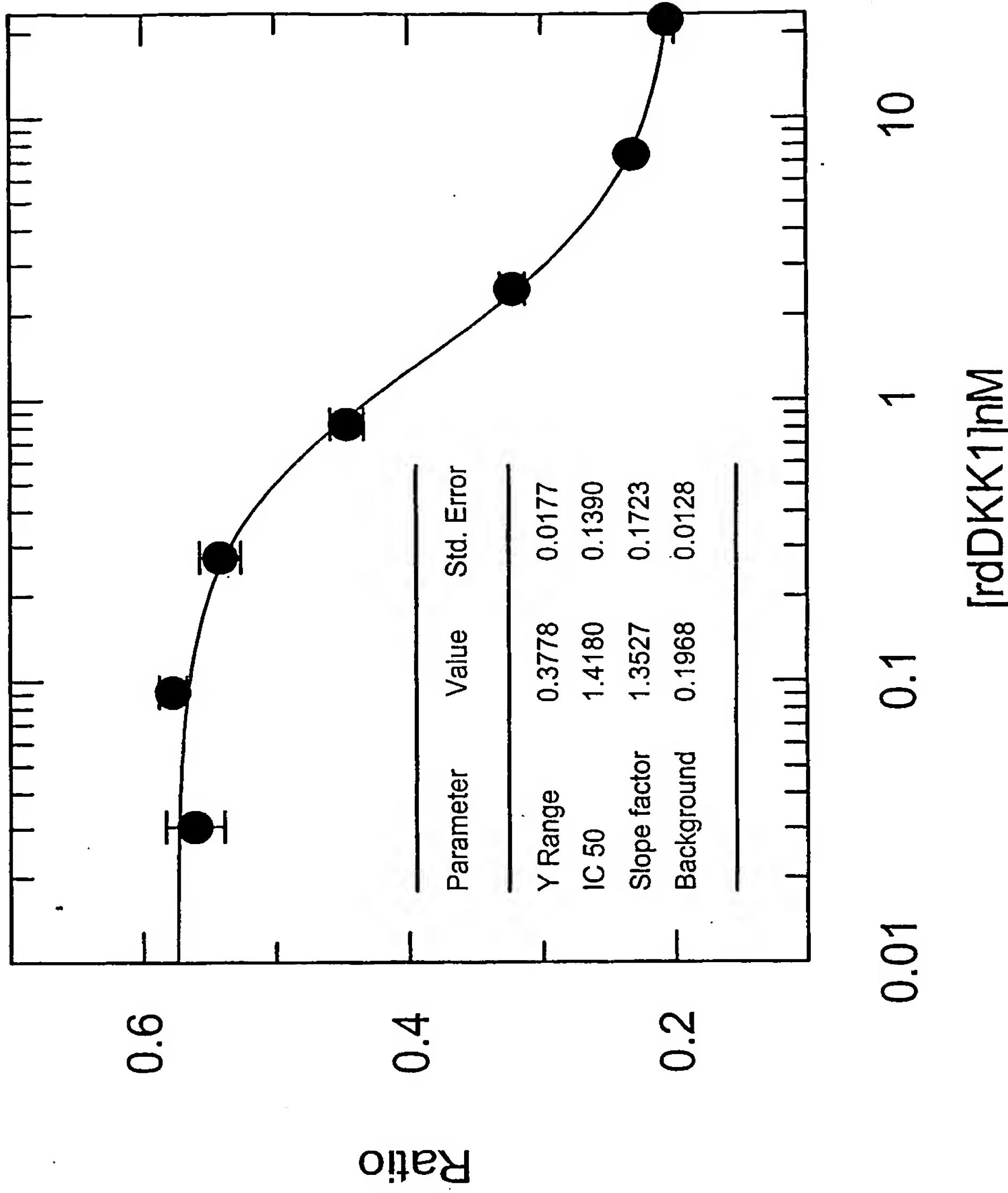


FIG. 9

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Dkk1 C-terminal 21 amino acids are necessary in addition to c220 amino acid in the 2nd cys-domain for Wnt-TCF inhibition

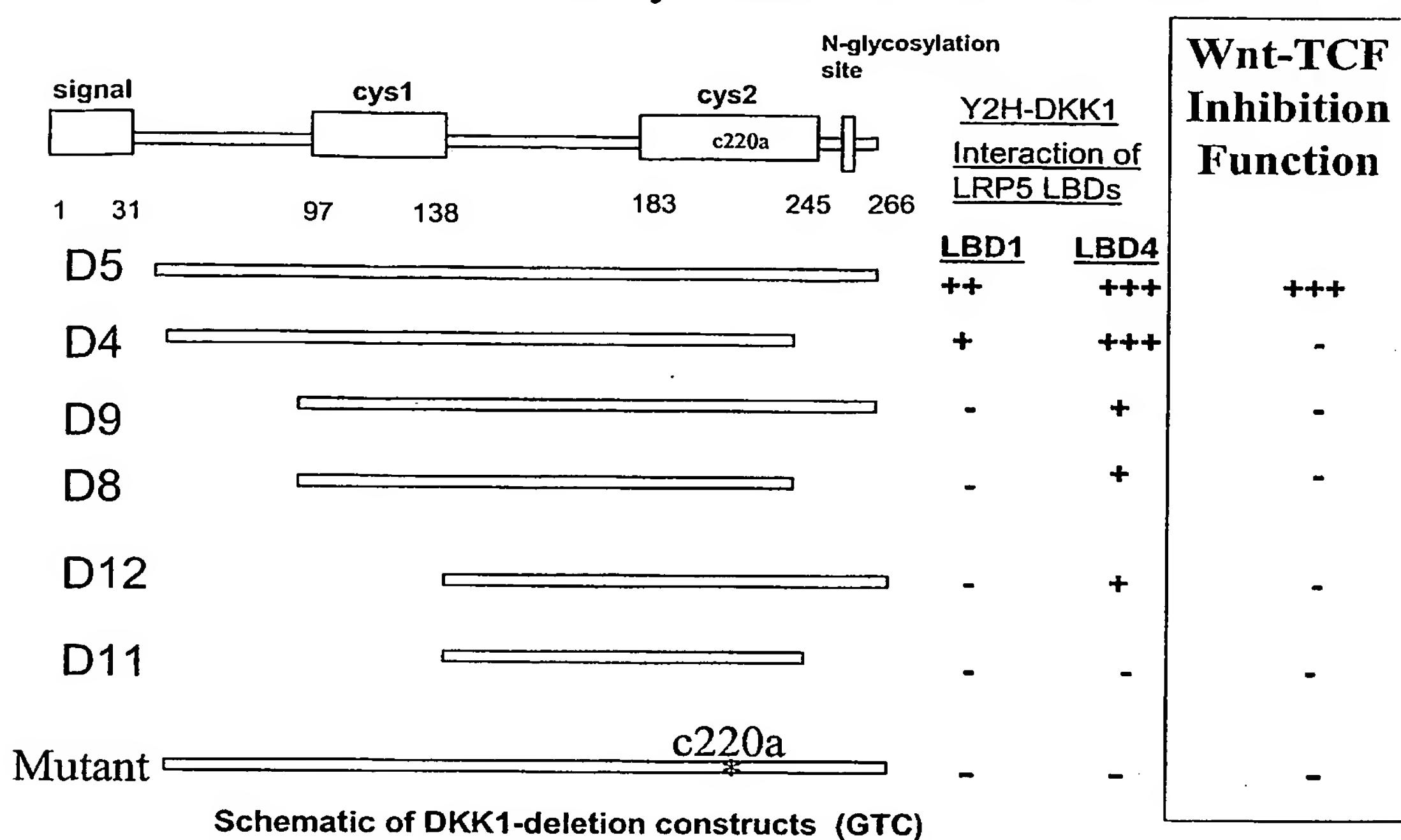


FIG. 10

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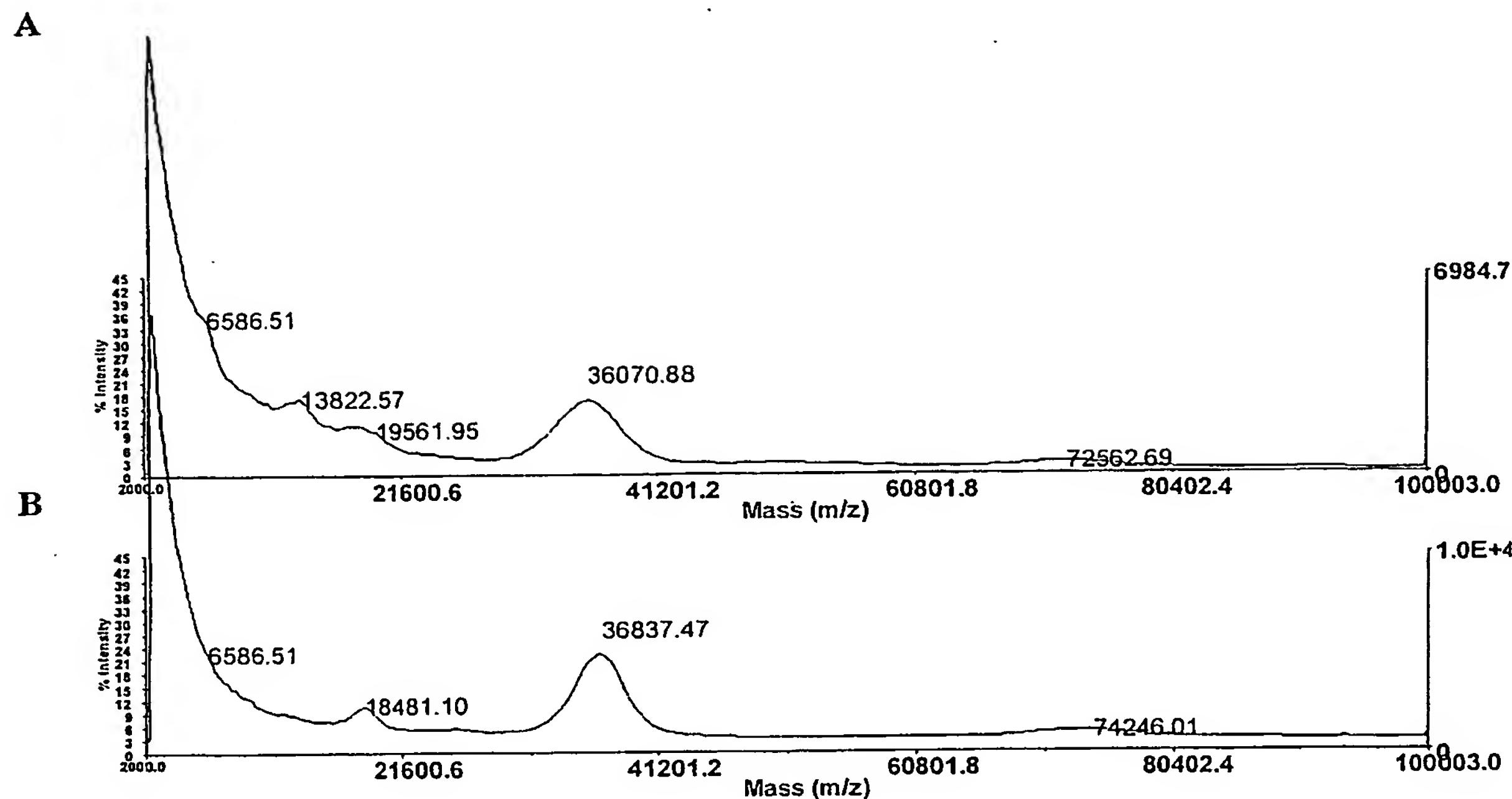


FIG. 11

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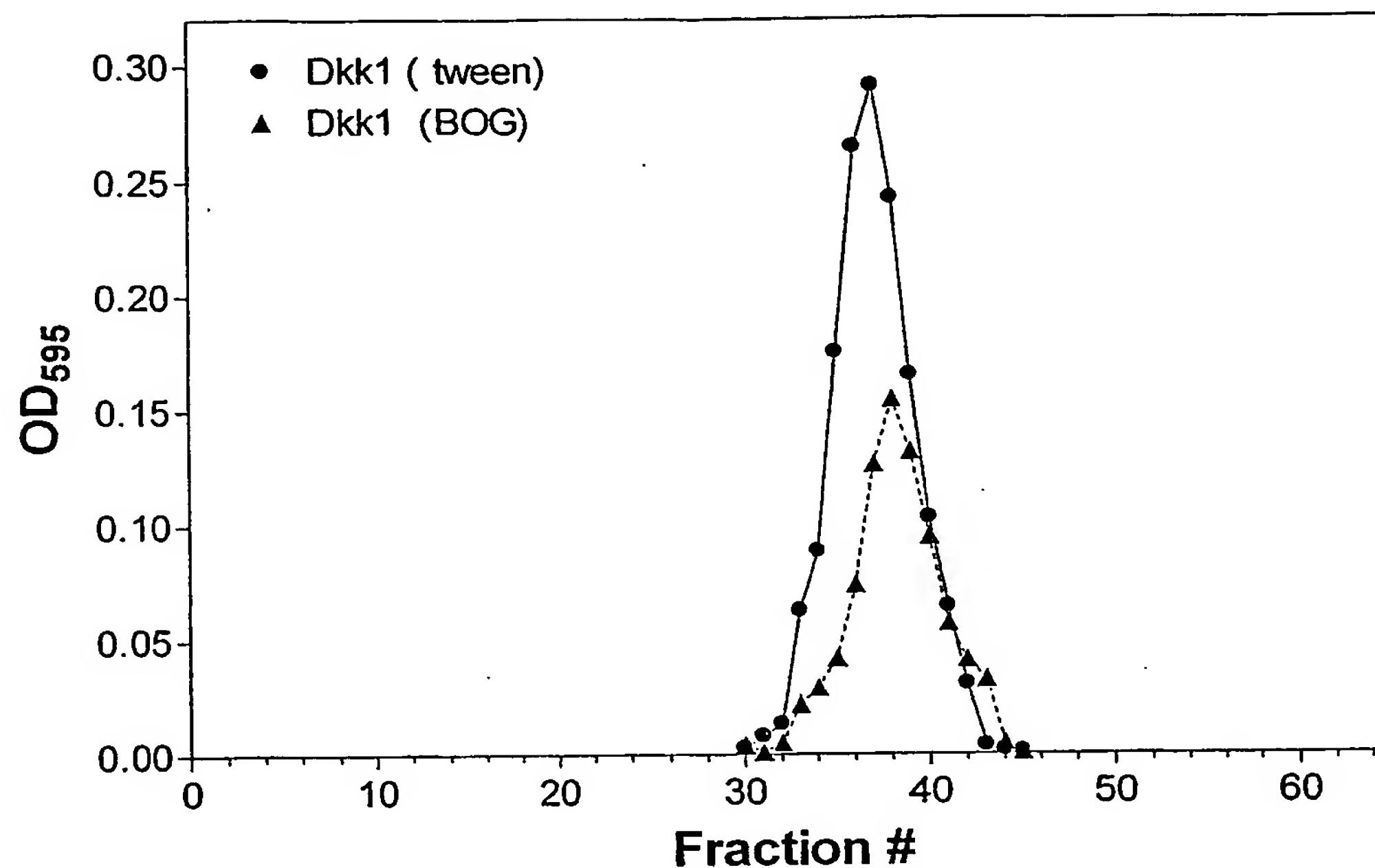
Superose 12 Chromatography of Dkk1

FIG. 12

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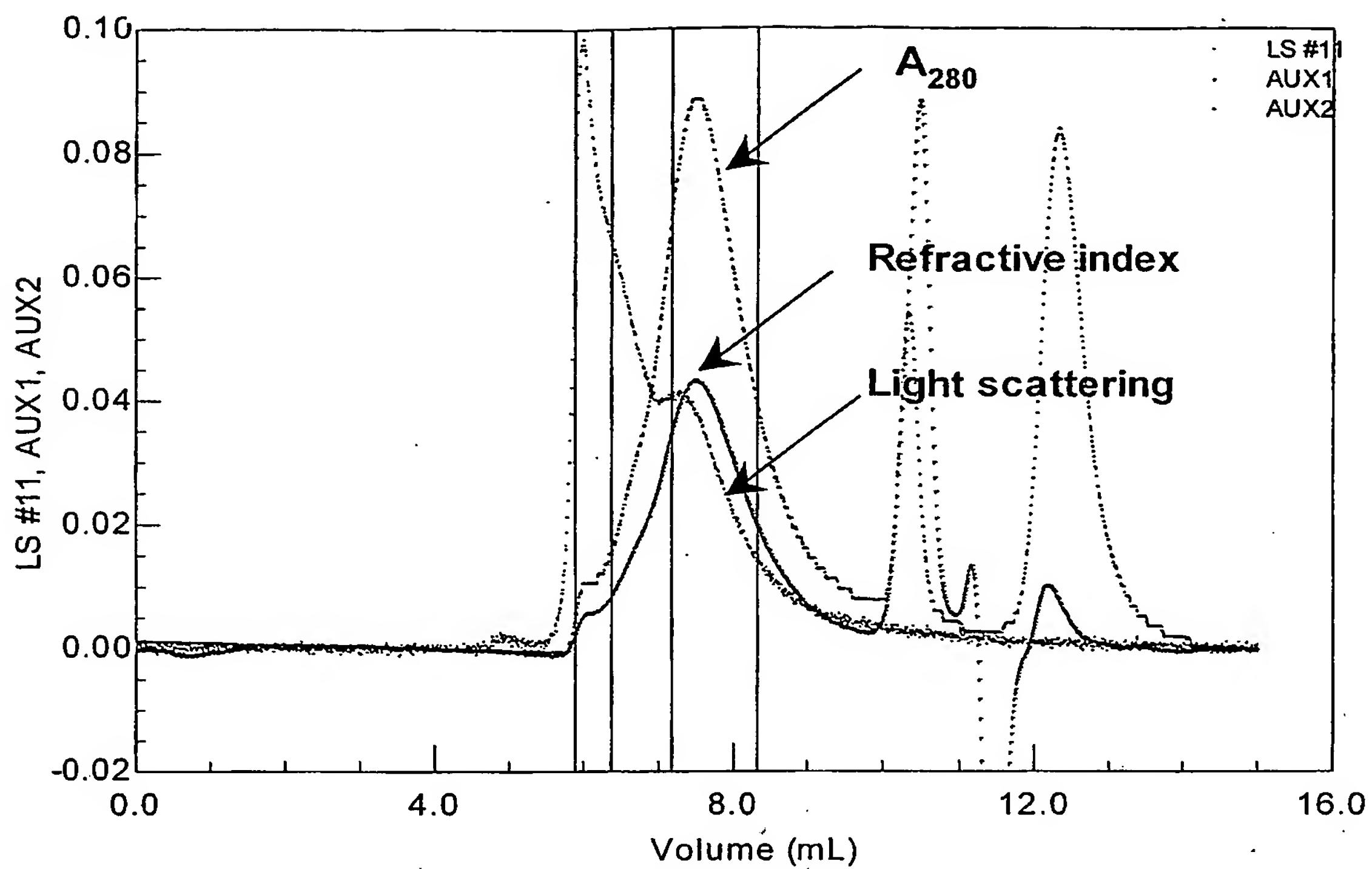


FIG. 13A

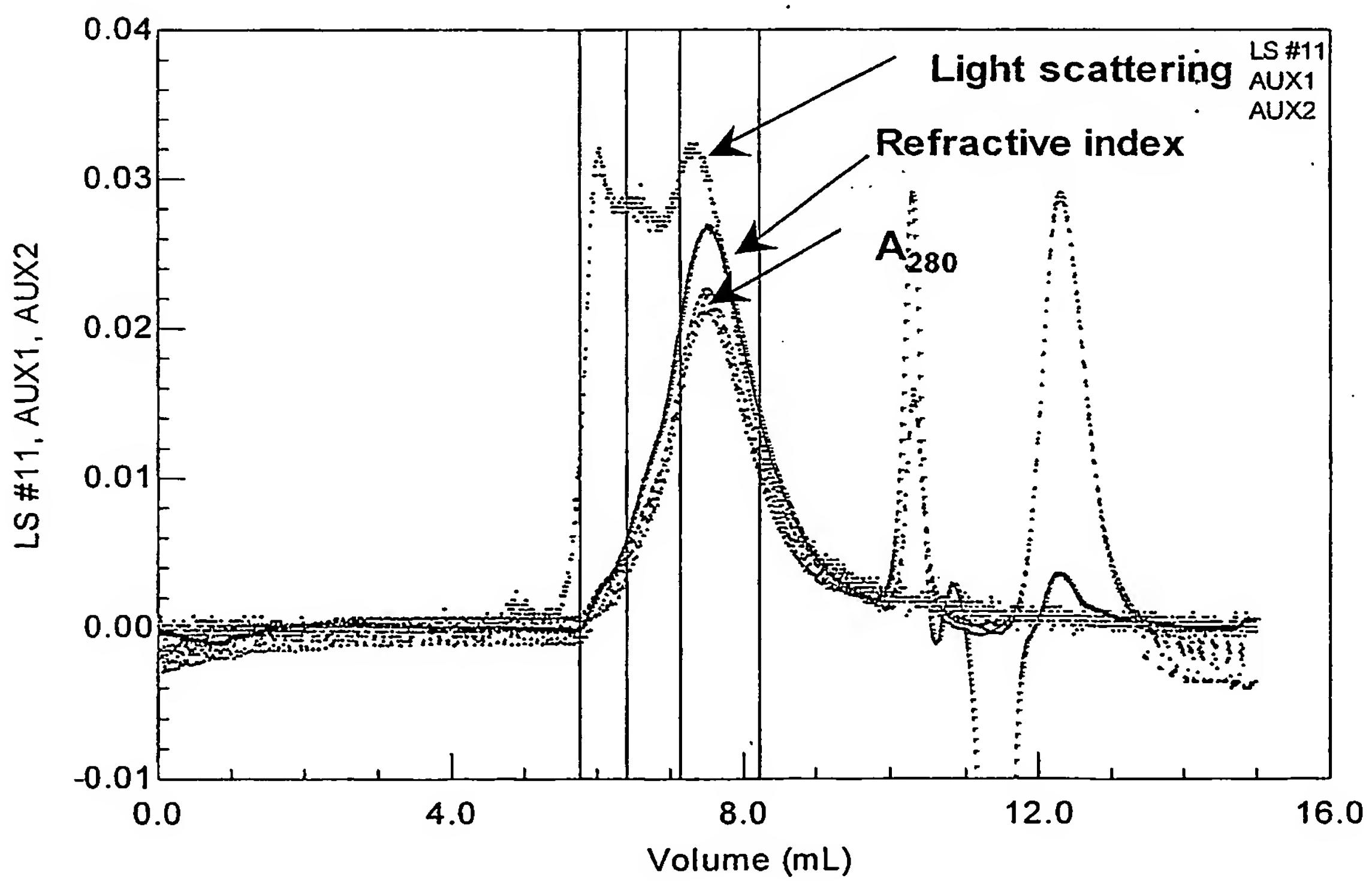


FIG. 13B

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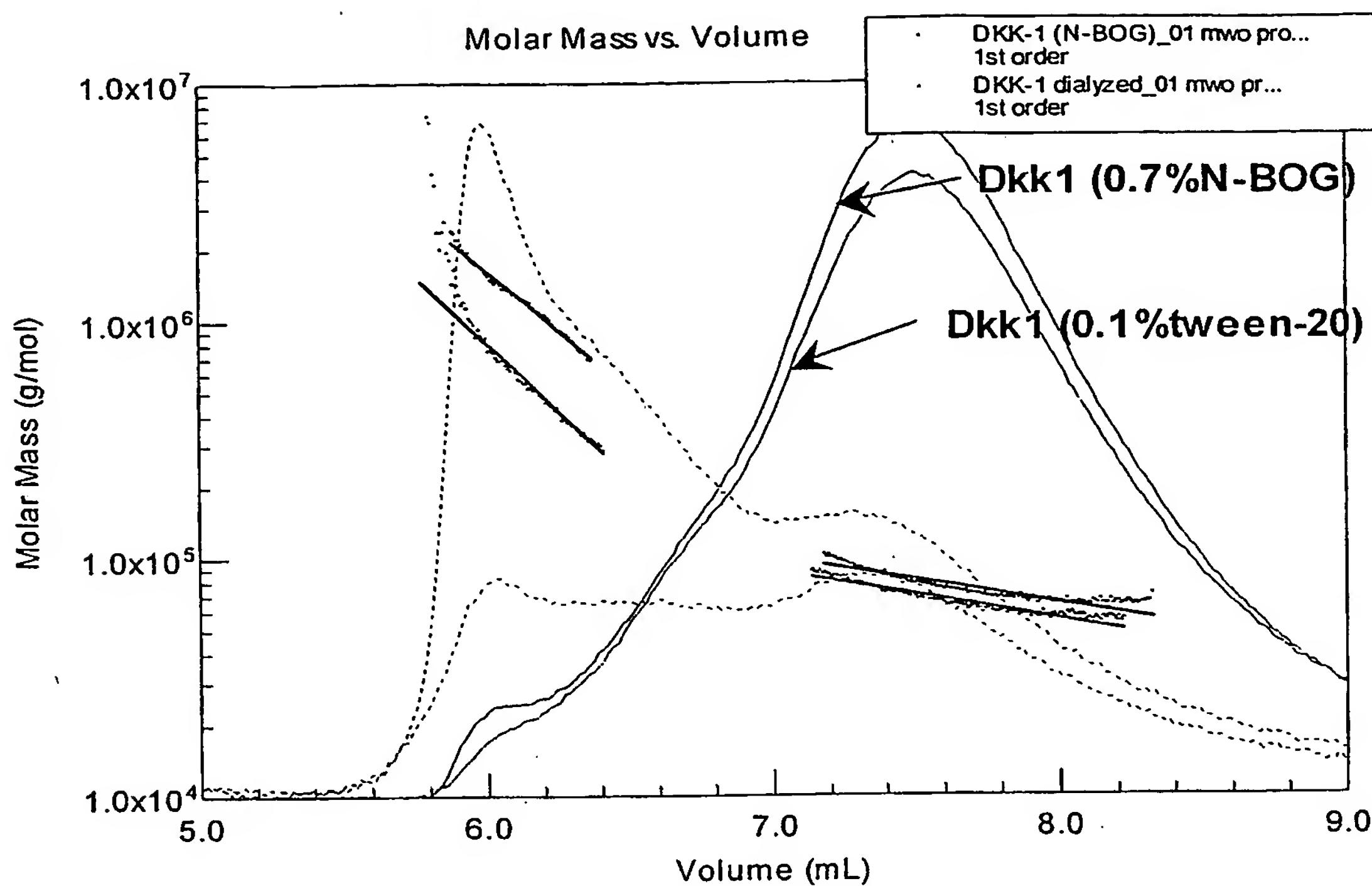


FIG. 13C

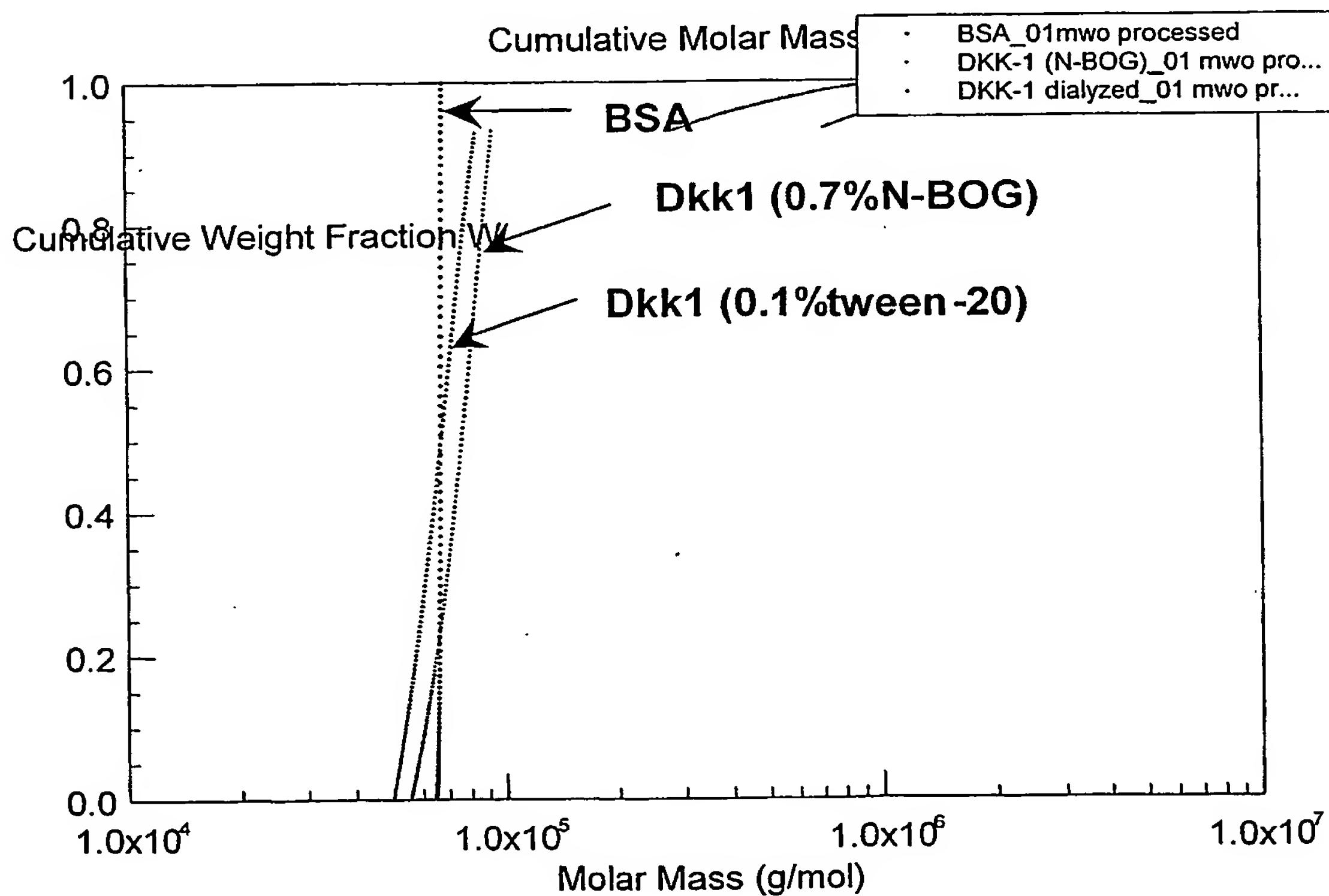
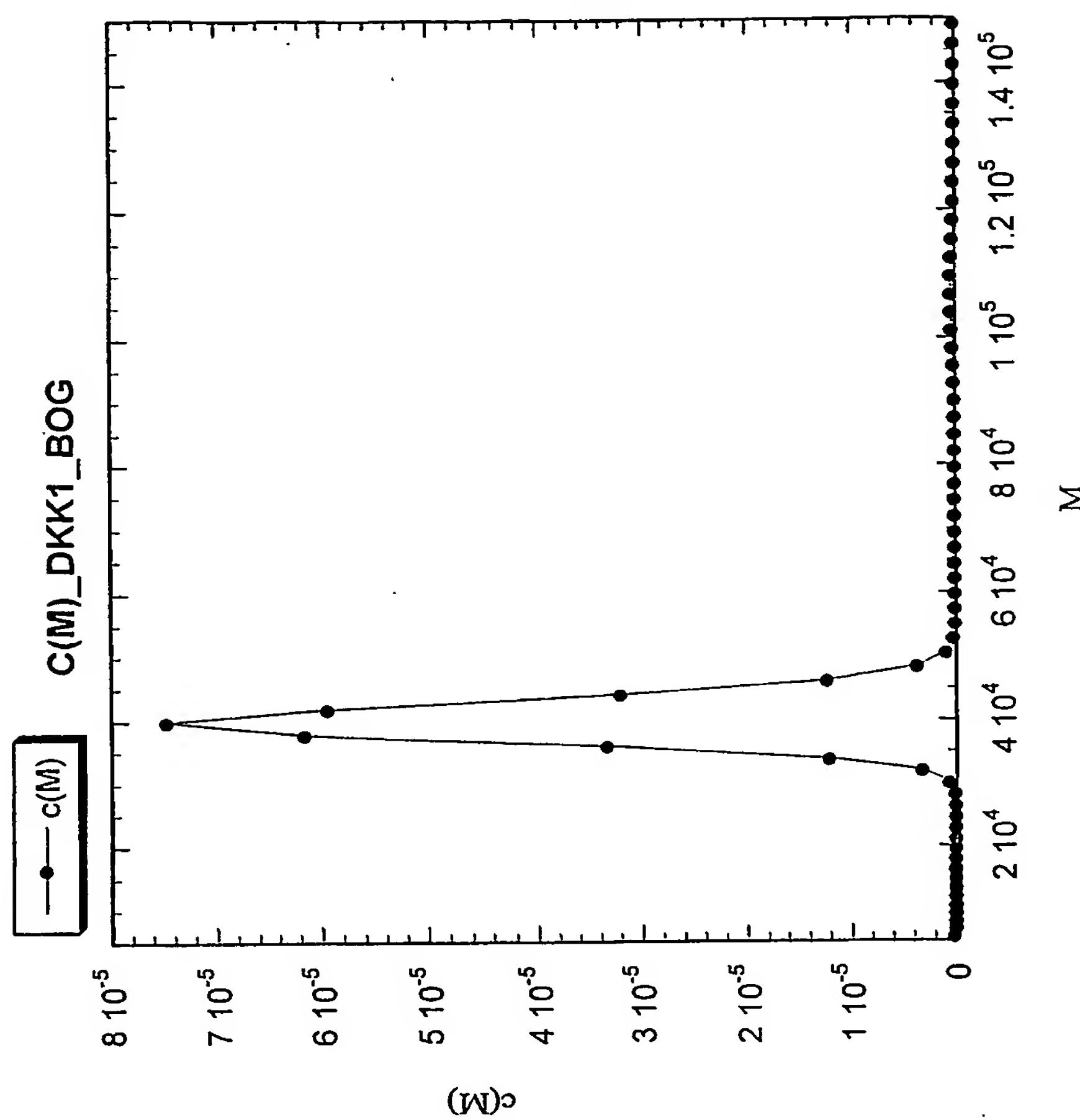


FIG. 13D

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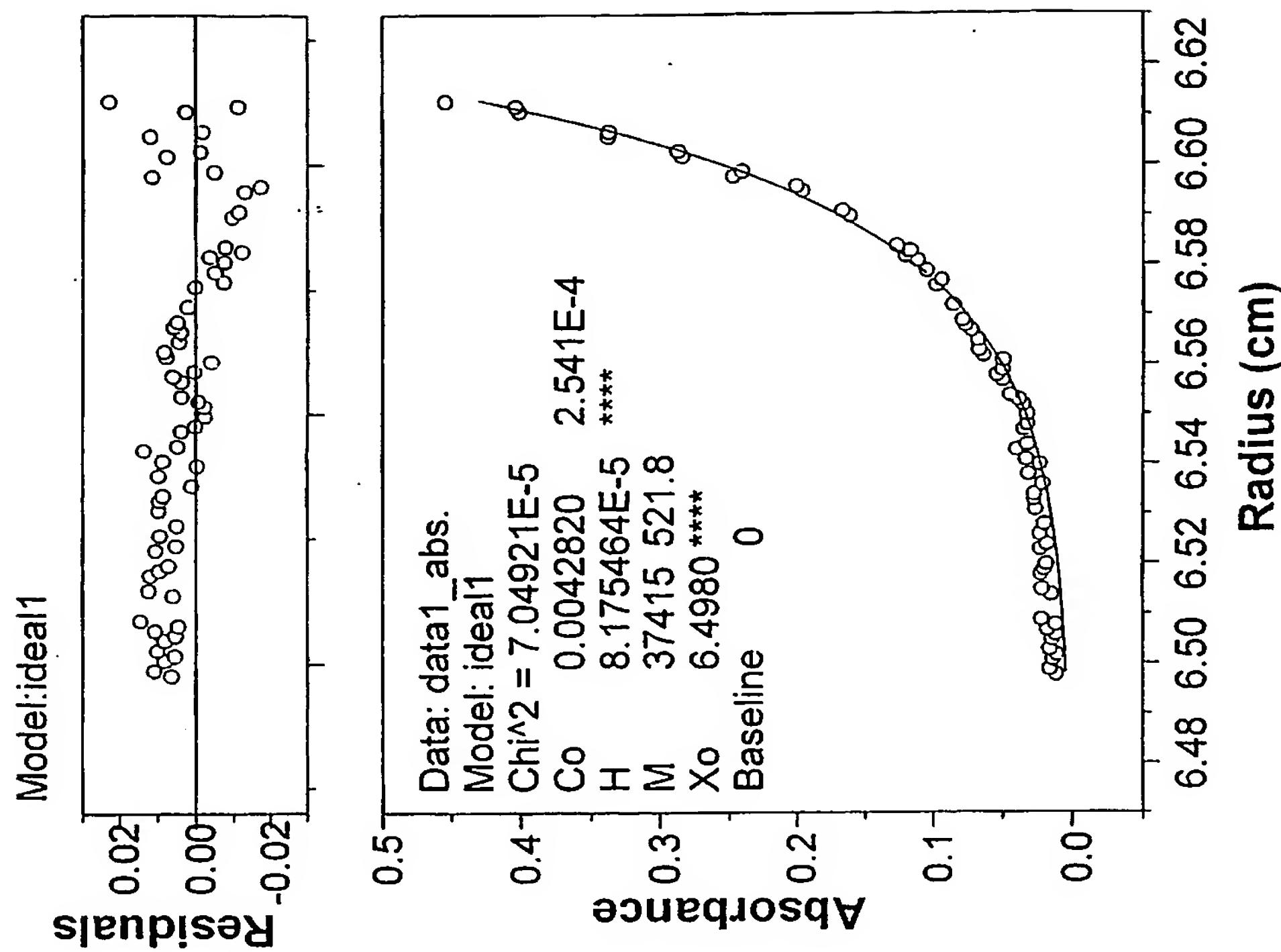


FIG. 14D

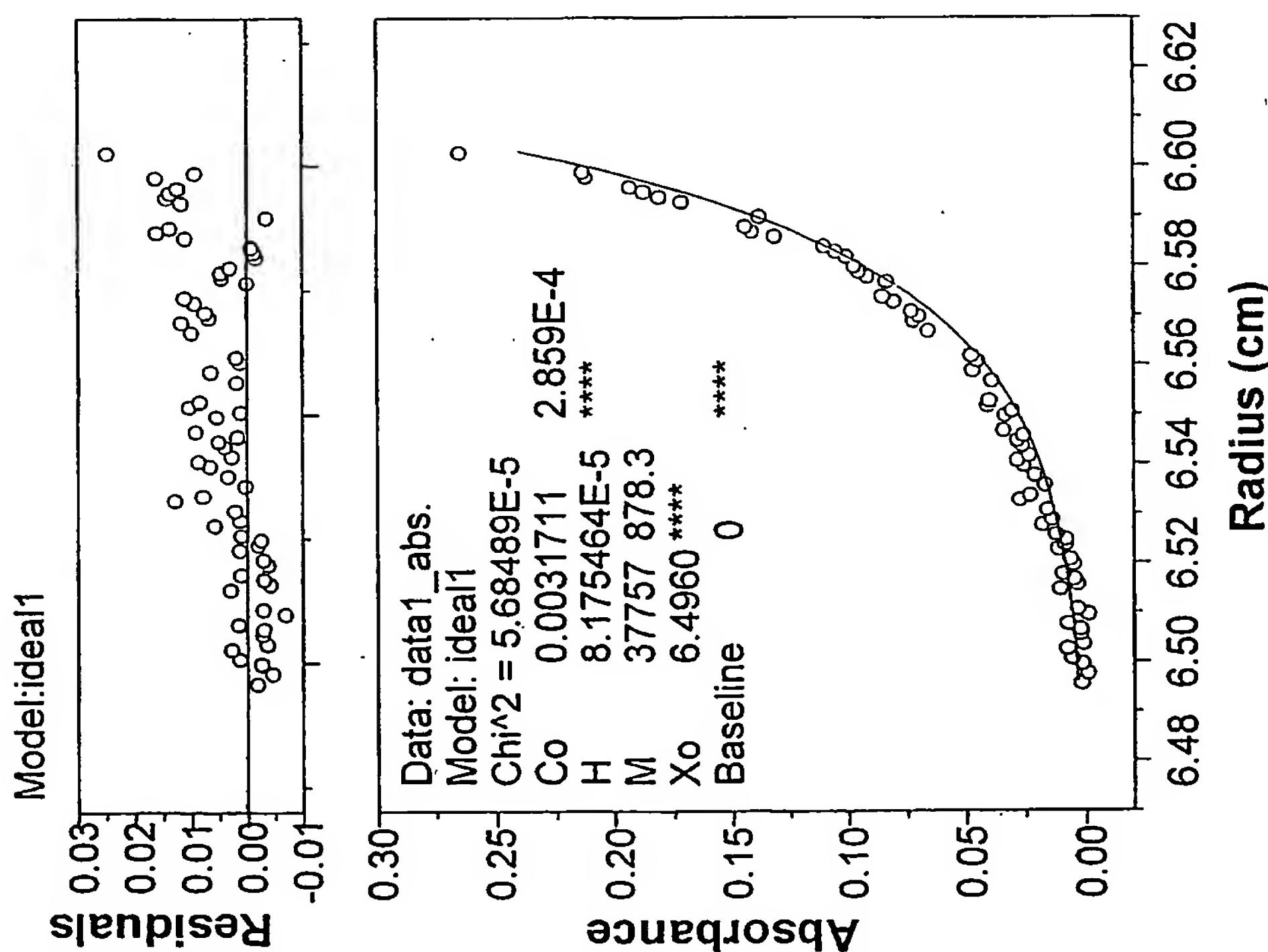


FIG. 14C

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ATGATGGCTCTGGCGCAGCGGGAGCTACCCGGGTCTTGTGCGATGGTAGCGGCGGCTC
TCGGCGGCCACCCCTGCTGGGAGTGAGCGCCACCTGAACTCGGTTCTCAATTCCAACGC
TATCAAGAACCTGCCCGCACCGCTGGCGGGCTGCAGGGCACCCAGGCTCTGCAGTCAGC
GCCGCGCCGGGAATCCTGTACCCGGGGAAATAAGTACCAAGACCATTGACAACCTACCAGC
CGTACCCGTGCGCAGAGGACGAGGAGTGCAGCACTGATGAGTACTGCGCTAGTCCCACCCG
CGGAGGGGACGCGGGGTGCAAATCTGTCTGCCCTGCAGGAAGCGCCGAAACGCTGCATG
CGTCACGCTATGTGCTGCCCGGGATTACTGCAAAATGGAATATGTGTCTGATC
AAAATCATTCCGAGGAGAAATTGAGGAAACCATCACTGAAAGCTTGGTAATGATCATAG
CACCTTGGATGGGTATTCCAGAACACCACCTGTCTCAAAATGTATCACACCAAAGGA
CAAGAAGGTTCTGTTGTCTCCGGTCATCAGACTGTGCCTCAGGATTGTGTTGCTAGAC
ACTTCTGGTCCAAGATCTGTAAACCTGTCTGAAAGAAGGTCAAGTGTACCAAGCATAG
GAGAAAAGGCTCTCATGGACTAGAAATATTCCAGCGTTACTGTGGAGAAGGTCTGTCT
TGCCGGATACAGAAAGATCACCATCAAGCCAGTAATTCTTAGGCTTCACACTTGTCAAGA
GACACTCTAGAGGGCCCTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATAC
CGGTCATCATCACCATCACCATGA

FIG. 15A

MMALGAAGATRVFVAMVAAALGGHPLLGVSATLNSVLNSNAIKNLPPPLGGAAGHPGSAVS
AAPGILYPGGNKYQTIDNYQPYPCAEDEECGTDEYCASPTRGGDAGVQICLACRKRRKRCM
RHAMCCPGNYCKNGICVSSDQNHFREIEETITESFGNDHSTLDGYSRRTTLSSKMYHTKG
QEGSVCLRSSDCASGLCCARHFWSKICKPVLKEGVCTKHRRKGSHGLEIFQRCYCCEGLS
CRIQKDHHQASNSSRLHTCQRHSRGPFEOKLISEEDLNMHTGHHHHHH

FIG. 15B

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